



ISUZU JCS 420

4 x 4 CAB CHASSIS

GMH MODEL: FTS 12H
ORDERING CODE: 8DN02

STANDARD GVM (on or off road)	11000 kg
STANDARD GCM (on road)	15000 kg
TARE MASS (est)	4050 kg

DRIVELINE SPECIFICATION

ENGINE SPECIFICATION

Model: ISUZU 6BG1
Type: 6 cylinder OHV diesel
Displacement: 6494cc
Max. Power: 120 kW @ 2900 rpm
Max. Torque: 431 Nm @ 1800 rpm
Bore and Stroke: 105 x 125 mm
Compression ratio: 170:1
RAC rating: 41.0

TRANSMISSION

Model: ISUZU MBD5C
Type: 5 speed direct drive
Gear ratios (to 1)

1st	6.890
2nd	3.918
3rd	2.419
4th	1.569
5th	1.000
Rev	6.304

AXLE, FRONT

Capacity: 3900 kg.
Split Type: Fully floating single reduction, spiral bevel gear. Ratio: 5.57:1 with free wheeling hubs.

AXLE, REAR

Single speed. Capacity: 9200 kg.
Type: Banjo, fully floating single reduction, hypoid gear. Non-spin differential. Ratio: 5.57:1.

WHEELBASE

4200mm

Acceleration to 80km/hr in 39 seconds.

CHASSIS RATINGS

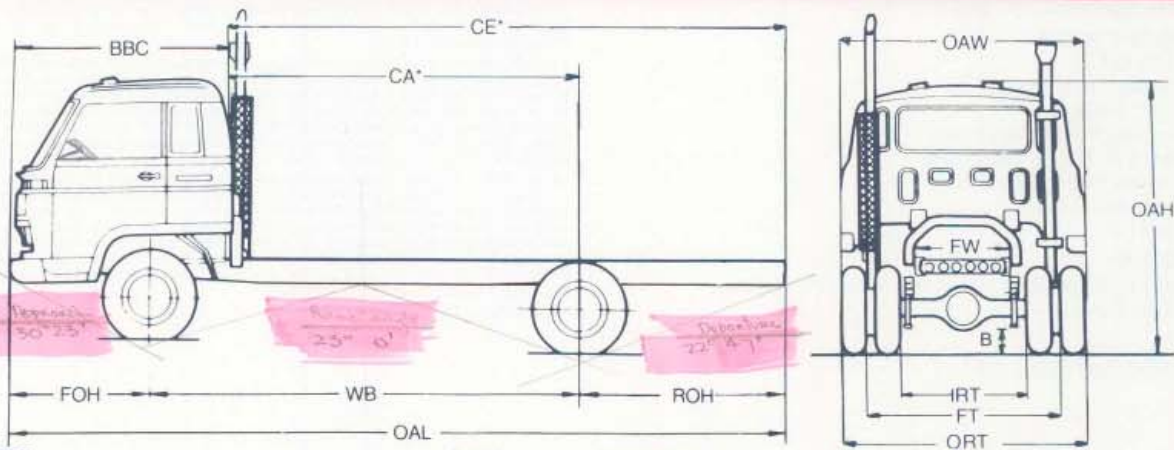
GROSS COMBINATION and GROSS VEHICLE MASS RATING:

GVM	GCM (kg)	Tyres
11,000	15,000	9.00 x 20-12 ply

Estimated kerb mass (chassis and cab with oil, water and full fuel tank). (kg.)

Front	Rear	Total
2474	1576	4050

DIMENSIONS



LENGTHS:

Overall length
Wheelbase
Cab to axle
Cab to end of frame
Front Overhang
Rear Overhang
Bumper to Back of Cab

	(mm)
OAL	7360
WB	4200
CA*	3550
CE*	5450
FOH	1260
ROH	1900
BBC	1910

HEIGHTS:

Overall height (approx)
Rear axle clearance (approx)

OAH	2662
B	273

TURNING CIRCLE:

Kerb to Kerb

(m)
18.8

WIDTHS:

Overall width
Frame width (rear)
Front track
Inside rear track
Outside rear track

OAW	2370
FW	800
FT	1735
IRT	1416
ORT	2064

*CA & CE dimensions are effectively reduced by 300mm with fitment of vertical air intake stack and exhaust



ISUZU

Reliability is everything.

ISUZU JCS 420 CUSTOM

4 x 4 CAB/ CHASSIS COMPONENT SPECIFICATIONS

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Ratio: 5.57:1 with free wheeling hubs.

AXLE, REAR

Single speed.
Capacity: 9200 kg.
Type: Banjo, fully floating single reduction, hypoid gear.
Non-spin differential. Ratio: 5.57:1.

BRAKES, SERVICE

Air over hydraulic, dual circuit, front-two leading, rear-dual two leading type. Exhaust brake.

BRAKE, PARKING

Type: Spring brake acting on rear wheels.

CABIN EXTERIOR

All steel tilt cab-with laminated windshield. 2 speed windshield wiper/washer with intermittent setting. West-coast type rear view mirrors. Dual round sealed beam headlamps. Vertical air intake stack. General hand tools and 10000 kg capacity jack. Spare wheel and tyre. Fog lamps.

INTERIOR

Adjustable and suspended high back bucket driver seat, 2 seater passenger seat vinyl faced. Sun visors. Roof, dash and floor ventilation points. AM radio. Full width glove compartment. Heater demister.

INSTRUMENTATION

Speedometer with odometer. Tachometer. Gauges for fuel, engine temperature and air pressure. Indicator lamps for park brake, alternator, oil pressure, headlamp/high beam, hazard warning, turn signals and exhaust brake on. Right combination switch incorporating headlamps, turn signal and dimmer. Left combination switches for windshield washer and wiper, and exhaust brake.

CLUTCH

Type: Dry single plate with 6 cushioning springs, hydraulic operated.

Size: Outside diameter 350 mm.

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LUBRICATION

Pressure feed with full-flow paper element. Oil cooler
Capacity: 14.5 litres.

YOUR GMH ISUZU DEALER:

COOLING

Radiator: Tube and corrugated fin, pressured type.
Frontal area, radiator: 2620 sq. cm.
Core thickness: 70 mm.

AIR CLEANER

Donaldson cyclopac 11" single stage type. Long vertical air intake stack

FUEL SYSTEM

Injection pump: Reformed Bosch in-line with mechanical governor.
Fuel tank capacity: 200 litres.
Fuel/water sedimentor.

ELECTRICAL SYSTEM

Batteries: 2 x 12 volt 53 A/H
Alternator: 24 volt/25 amp
Starter: 24 volt/4.5 kW

FRAME

Type: Ladder type channel section
Frame width: Front 840 mm. Rear 800 mm
Side member dimensions: Depth x Width x Thickness:
225 mm x 70 mm x 6 mm
Frame reinforcement: Full inner channel plating in area of rear axle
Inner upright "L" plating to the rear of the cab
Depth x Width x Thickness: 213 mm x 64 mm x 4.5 mm

STEERING

Type: Recirculating ball with integral power assistance.
Gear Ratio: 21.6:1.

SUSPENSION, FRONT

Heavy duty steel leaf springs with single acting lever type shock absorbers.

Size: Length x Width (mm) — 1300 x 70

SUSPENSION, REAR

Semi elliptic leaf springs.
Size: Length x Width (mm) — 1420 x 80
Auxiliary: Length x Width (mm) — 1000 x 80

TRANSMISSION

Isuzu MBD5C 5 speed direct drive.
Synchromesh on 2nd, 3rd, 4th, 5th gears.
Floor mounted remote control.
Ratios: (to 1)
1st 6.890 2nd 3.918 3rd 2.419 4th 1.569 5th 1.000
Reverse 6.304
Transfer case: 2 speed (1.000/2.091:1)

WHEELS AND TYRES

Dual rear wheels
Wheels and rims: 700 x 20
8 stud disc wheels. Tyres: 9.00 x 20 - 12 ply (lugs)
Spare wheel and tyre

GMH 12/20 WARRANTY

Every Isuzu is covered by the GMH warranty which covers the vehicle for the first 12 months or 20,000 kilometres.

Major engine components and driveline components have additional extended warranty. Please consult your GMH/ISUZU dealer for complete and accurate details.

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